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DECLARATION (37 CFR 1.63) FOR UTILITY OR DESIGN APPLICATION USING AN APPLICATION DATA SHEET (37 CFR 1.76)

Title of Invention	on	MOLECULAR DETE	ECTOR ARRA	NGEMENT	
As the below named inventor(s), I/we declare that:					
This declaration is directed to:					
The attached application, or					
⊠ Applic	cation N	lo. 10/520,986, U.S. N	lational Phase o	f PCT/GB20	03/002962, filed on <u>July 9, 2003</u> ,
as	s ameno	led on (if applic	able);	•	
Which a patent is s	l/we am sought;	lare the original and f	first inventor(s)	of the subject	t matter which is claimed and for
I/we have reviewe amended by any a	ed and u amendn	understand the content nent specifically referre	its of the above- ed to above;	identified ap	plication, including the claims, as
I/we acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me/us to be material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the National or PCT International filing date of the continuation-in-part application.					
All statements made herein of my/our own knowledge are true, all statements made herein on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001, and may jeopardize the validity of the application or any patent issuing thereon.					
FULL NAME OF INVENTOR(S)					
Inventor one:	Richard	I GILBERT	·	Citizen of:	United Kingdom
Signature:		276-ut	<u> </u>	Date:	7 March 2005
Inventor two:	Xiao-Fe	eng ZHOU		Citizen of	United Kingdom
Signature:	Sh	Muter	>	Date:	7 March 2005
Inventor three:	Brian P	hilip ALLEN		Citizen of:	United Kingdom
Signature:		1 3.1	· · · · · · · · · · · · · · · · · · ·	Date:	7 Morch 2005
Inventor four:				Citizen of:	
Signature: —				Date:	· .
Additional inventors or a legal representative are being named on additional form(s) attached hereto.					
This collection of information is required by 35 U.S.C. 115 and 37 CFR 1.63. The information is required to obtain or retain a benefit by the					

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ELECTION AND POWER OF ATTORNEY and CORRESPONDENCE ADDRESS INDICATION FORM

Application Number	10/520,986
International Filing Date	July 9, 2003
First Named Inventor	Richard GILBERT
Title	MOLECULAR DETECTOR ARRANGEMENT
Art Unit	
Examiner Name	
Attorney Docket Number	310134.402USPC

I hereby a	ppoint:									
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Country										
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I am the:								*		
	Applicant/Inventor.									
Assignee of record of the entire interest. See 37 CFR 3.71. Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).										
As assignee of record of the entire interest l/we hereby elect, under 37 CFR 3.71, to prosecute the application to the										
exclusion of the inventor(s).										
		/ SIGN	ATURE of Appli	icant or As	signee of Reco	ord	······································			·
Signature	T	A	Ł.			Date	4 APR	11. 0		
Name		MICHAEL	FRANCIS	NANAH	- TA	<u> </u>	** / 1	<u> </u>	<u> </u>	
Title and		COMPANY							•	
Company (Assignee)	E2V Technologies (UK) Limited									
NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.										
Total of _	pie torms i	if more than one signs are submitted.	nature is requir	ed, see be	:low.					

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	STATEMENT UNDER 3	7 CFR 3.73(b)	,
Applicant/Patent Owner:	Richard GILBERT, Xia	o-Feng ZHOU and I	Brian Philip ALLEN
Application No.	10/520,986		·
International Filing Date:	July 9, 2003		
Entitled: MOLECULAR	DETECTOR ARRANGEM	ENT	
-			
E2V Technologies (I	JK) Limited a	corp	ooration
(Name of Assign	iee)	(Type of Assignee, e.g university, gove	g., corporation, partnership, mment agency, etc.)
states that it is:			
1. a the assignee of the en	tire right, title, and interest	; or	
2. an assignee of less that The extent (by percent	an the entire right, title and tage) of its ownership inter	l interest. rest is%	
in the patent application/pate	nt identified above by virtu	ue of either.	
	ne inventor(s) of the patent recorded in the United Stat , or for which a copy	es Patent and Trade	mark Office at
B. A chain of title from the current assignee as s	e inventor(s), of the patent hown below:		lentified above, to the
1. From:		To:	٠.,
	recorded in the United Sta		
2. From:		To:	
	recorded in the United Sta		
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	recorded in the United Sta		
Additional documer	nts.in the chain of title are l	listed on a suppleme	ntal sheet.
	ts or other documents in th		
in accordance with 37 CFR Pa	rt 3, if the assignment is to be rec	orded in the records of the	
The undersigned (whose tit	le is supplied below) is aut	thorized to act on bel	nalf of the assignee.
1		4 APRIL	05
Sign	ature		Date
	FRANCIS HANNANT	COMPANY	SEZRETARY
Typed or p	rinted name		Title

This collection of information is required by 37 CFR 3,73(b). The information is required to obtain or retain a benefit by the public which is to fite (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1,14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Petent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Docket No. 310134.402USPC

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COPY

ASSIGNMENT

WHEREAS, we, Richard GILBERT, Xiao-Feng ZHOU and Brian Philip ALLEN, (hereinafter referred to as ASSIGNORS), having mailing addresses of 3 Riverbank Court, Shrublands Close, Chelmsford, Essex CM2 6WY United Kingdom; 53 Barlows Reach, Chelmsford, Essex CM2 6SN United Kingdom; and 30 Church Lane, Toppesfield, Essex CO9 4DS United Kingdom, respectively, are the joint inventors of an invention entitled "MOLECULAR DETECTOR ARRANGEMENT," as described and claimed in the specification for which an application for United States letters patent was filed and assigned Application No. 10/520,986. This application is a national stage application filed under 35 U.S.C. 371 of International Application No. PCT/GB2003/002962, accorded an International Filing Date of July 9, 2003, which claims priority to Great Britain patent application Nos. GB 0215876.4, filed July 10, 2002, and GB 0309492.7, filed April 25, 2003;

WHEREAS, E2V Technologies (UK) Limited (hereinafter referred to as ASSIGNEE), a corporation, having a place of business at 106 Waterhouse Lane, Chelmsford, Essex CM1 2QU United Kingdom, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any letters patent that may be granted therefor in the United States;

NOW, THEREFORE, in exchange for good and valuable consideration, the receipt of which is hereby acknowledged, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial possessions and, in any and all divisions, reissues and continuations thereof, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its successors and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, transfer and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of Patents and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and prosecution of applications for United States letters patent on said invention, for

International Appl No. PCT/GB2003/002962 U. S. Application No. 10/520,986

litigation regarding said letters patent, or for the purpose of protecting title to said invention or letters patent therefor.

1.	Assignor: Richard GILBERT
Date: 7 March 2005	Signature: LBCM -
Date 7 March 2005 (Type or Print)	(Signature of Witness)
•	TW ATERS (Type or Print Name of Witness)
2.	Assignor: Xi20-Feng ZHOU
Date: 7 MONCH 2005	Signature: She fin
Date -7 March 2005	Witos
(Type or Print)	(Signature of Witness)
	TWATERS (Type or Print Name of Witness)

International Appl No. PCT/GB2003/002962 C. S. Application No. 10/520,986

3.

Date: 7 North 2005

Date 7 March 2005 (Type or Print)

Assignor: **Brian Philip ALLEN**

Signature:

(Signature of Witness)

TWATERS
(Type or Print Name of Witness)

#556486_1.DOC (310134.402USPC)

Express Mail No. EV 335614532US RECORDATION FORM COVER SHEET FORM PTO-1595 (Rev. 03/05) U.S. DEPARTMENT OF COMMERCE United States Patent and Trademark Office (exp. 6/30/05) PATENTS ONLY To the Director of the U.S. Patent and Trademark Office: Please record the attached documents of address(es) below. 1. Names of conveying party(ies)/Execution Date(s): 2. Name and address 1) RICHARD GILBERT Name: E2V TECHNO 2) XIAO-FENG ZHOU 3) BRIAN PHILIP ALLEN Internal Addres 4) 5) 6) Street 06 WATERHOUSE LANE **Execution Dates:** 1) MARCH 7, 2005 MARCH 7, 2005 6) 3) MARCH 7, 2005 Additional name(s) of conveying party(ies) attached? Yes No State: 3. Nature of conveyance: UNITED KINGDOM Zip CM1 2QU N **Assignment** Merger П Security Agreement Change of Name names & addresses attached? ∏Yes ⋈ No Joint Research Agreement П **Government Interest Assignment** П Executive Order 9424, Confirmatory Licens Other 4. Application or patent number(s): his socument is being filed together with a new application. A. Patent Application No(s). B. Patent No(s). 10/520,986 Additional nu s attached? | Yes 5. Name and address to whom corresponden 6. Total number of applications and concerning document should be mailed: patents involved 7. Total Fee (37 CFR 1.21(h) & 3.41): Name: Seed Intellectual Property La \$40 Authorized to be charged by credit card. Internal Address: STEPHEN J. F SENMAN, PH.D. Ш Authorized to be charged to deposit account. Street Address: 701 Fifth Avenue Suite 6300 **Enclosed** City: Seattle None required (government interest not State: WA 98104-7092 affecting title) 8. Payment Information Phone Number: a. Credit Card Last 4 Numbers Fax Number: Expiration Date Email Address: STEVER@SEEDIP.COM b. Deposit Account Number **Authorized User Name** Statement and signature. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is

Name of Person Signing

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Nate

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OMB No. 0651-6011 (exp 6/30/05) - Docket No. 310134.402USPC

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ASSIGNMENT

WHEREAS, we, Richard GILBERT, Xiao-Feng ZHOC and Brian Philip ALLEN, (hereinafter referred to as ASSIGNORS), having mailing addresses of 3 Riverbank Court, Shrublands Close, Chelmsford, Essex CM2 6WY United Kingdom; 53 Barlows Reach, Chelmsford, Essex CM2 6SN United Kingdom; and 30 Churan Lure/Toppesfield, Essex CO9 4DS United Kingdom, respectively, are the joint invexors of an invention entitled "MOLECULAR DETECTOR ARRANGEMENT," as describer and claimed in the specification for which an application for United States letters patent wis alled and assigned Application No. 10/520,986. This application is a national stage application filed under 35 U.S.C. 371 of International Application No. PCT/GB2003/002962, accorded an International Filing Date of July 9, 2003, which claims priority to Great Britain patent application Nos. GB 0215876.4, filed July 10, 2002, and GB 0309492.7, filed April 25 2003;

WHEREAS, E2V Technologie (UK) Limited (hereinafter referred to as ASSIGNEE), a corporation, having a place of business at 106 Waterhouse Lane, Chelmsford, Essex CM1 2QU United Kingdom, is desirous of acquiring the entire right, title and interest in and to the invention and in and to any levers patent that may be granted therefor in the United States;

NOW, THEREFORE in exchange for good and valuable consideration, the receipt of which is hereby acknowled, ASSIGNORS hereby sell, assign and transfer unto said ASSIGNEE, the entire right, title and interest in and to said invention, said application and any and all letters patent which may be granted for said invention in the United States of America and its territorial poss ssion and, in any and all divisions, reissues and continuations thereof, said invention, application and all letters patent on said invention to be held and enjoyed by ASSIGNEE and its suc sor and assigns for their use and benefit and of their successors and assigns as fully and entirely as the same would have been held and enjoyed by ASSIGNORS had this assignment, tra usier and sale not been made. ASSIGNORS hereby authorize and request the Commissioner of as and Trademarks to issue all letters patent on said invention to ASSIGNEE. ASSIGNORS agree to execute all instruments and documents required for the making and projecution of applications for United States letters patent on said invention, for

1. Assignor: Richard G Date: 7 March 2005 Signature: Date 7 Morch (Type or Print) of Witness) or Print Name of Witness) Xiao-Feng ZHOU Date: 7 March 2005 Signature: (Type or Print) (Signature of Witness) J WATERS (Type or Print Name of Witness)

litigation regarding said letters patent, or for the purpose of protecting title to said invention or

letters patent therefor.

International Appl 2 No. PCT/GB2003/002962 S. Application No. 10/520,986

Brian Philip AZLEN

·3.

Date: 7 March 2005

Date 7 NOW 2005
(Type or Print)

Signature:

Assignor:

(Signature of Witness)

ype or Print Name of Witness)

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